

=> d his

(FILE 'HOME' ENTERED AT 12:09:22 ON 04 AUG 2004)

FILE 'REGISTRY' ENTERED AT 12:09:40 ON 04 AUG 2004  
L1 1 S GLYOXALASE I/CN

FILE 'HCAPLUS' ENTERED AT 12:10:00 ON 04 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:10:03 ON 04 AUG 2004

SET SMARTSELECT ON  
L2 SEL L1 1- CHEM : 8 TERMS  
SET SMARTSELECT OFF

FILE 'HCAPLUS' ENTERED AT 12:10:03 ON 04 AUG 2004

L3 879 S L2  
E PHOSPHORYLATED/CT  
E E3+ALL

L4 48 S L3 (L) PHOSPHO?  
E MAMMAL/CT  
E E3+ALL  
E MAMAL/CT  
E MAMMAL/CT  
E E3+ALL  
E E2

L5 1 S L4 (L) (MAMMAL? OR MAMMAL OR MAMMALIA)

FILE 'CAOLD, CAPLUS, CASREACT, CROPU, DGENE, DPCI, EUROPATFULL, FRANCEPAT, FRFULL, FSTA, IFIPAT, INPADOC, JAPIO, LITALERT, NTIS, PAPERCHEM2, PATDD, PATDPA, PATDPAFULL, PATOSDE, PATOSEP, PATOSWO, PCTFULL, PCTGEN, PIRA, PROUSDDR, PS, RAPRA, RDISCLOSURE, ...' ENTERED AT 12:13:36 ON 04 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:13:49 ON 04 AUG 2004

SET SMARTSELECT ON  
L6 SEL L1 1- CHEM : 8 TERMS  
SET SMARTSELECT OFF

FILE 'CAOLD, CAPLUS, CASREACT, CROPU, DGENE, DPCI, EUROPATFULL, FRANCEPAT, FRFULL, FSTA, IFIPAT, INPADOC, JAPIO, LITALERT, NTIS, PAPERCHEM2, PATDD, PATDPA, PATDPAFULL, PATOSDE, PATOSEP, PATOSWO, PCTFULL, PCTGEN, PIRA, PROUSDDR, PS, RAPRA, RDISCLOSURE, ...' ENTERED AT 12:13:51 ON 04 AUG 2004

L7 1599 S L6  
L8 216 S L7 (L) (MAMMAL? OR MAMMAL OR MAMMALIA)  
L9 7 S L8 (L) (PHOSPO?)  
L10 7 DUP REM L9 (0 DUPLICATES REMOVED)

=> d his

(FILE 'HOME' ENTERED AT 12:26:28 ON 04 AUG 2004) )

FILE 'REGISTRY' ENTERED AT 12:27:30 ON 04 AUG 2004

L1 1 S 9033-12-9/RN

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANABSTR, ANTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 12:27:44 ON 04 AUG 2004

FILE 'REGISTRY' ENTERED AT 12:27:51 ON 04 AUG 2004

SET SMARTSELECT ON

L2 SEL L1 1- CHEM : 8 TERMS

SET SMARTSELECT OFF

FILE 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, AQUALINE, ANABSTR, ANTE, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 12:27:52 ON 04 AUG 2004

L3 6900 S L2

L4 2081 S L3 (L) (MAMMAL? OR MAMMAL OR MAMMALIA OR HUMAN OR MAN )

L5 105 S L4 (L) PHOSPHORYL?

L6 96 DUP REM L5 (9 DUPLICATES REMOVED)

L7 16 S L6 AND PY<2001

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN

RN 9033-12-9 REGISTRY

CN Lyase, lactoylglutathione (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Aldoketomutase

CN E.C. 4.4.1.5

CN Glyoxalase I

CN Glyoxylase

CN Glyoxylase I

CN Lactoylglutathione lyase

CN Methylglyoxalase

MF Unspecified

CI MAN

LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, EMBASE, PROMT, TOXCENTER, USPATFULL

Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PROC (Process); PRP (Properties); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PRP (Properties)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PROC (Process); PRP (Properties)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

652 REFERENCES IN FILE CA (1907 TO DATE)

13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

654 REFERENCES IN FILE CAPLUS (1907 TO DATE)

## WEST Search History

DATE: Wednesday, August 04, 2004

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L13	L12 and l8	2
<input type="checkbox"/>	L12	20010131	35
<input type="checkbox"/>	L11	L10 and phosphoryl\$7	76
<input type="checkbox"/>	L10	L9 and (mammal\$7 or mammal or mammalia or human or man )	125
<input type="checkbox"/>	L9	Glyoxalase I or Glyoxylase or lactoylglutathione lyase or Aldoketomutase or Methylglyoxalase	130
<input type="checkbox"/>	L8	L7 or l6 or l5 or l4 or l3 or l2 or l1	18308
<input type="checkbox"/>	L7	(530/352)!.ccls.	139
<input type="checkbox"/>	L6	(530/350)!.ccls.	14518
<input type="checkbox"/>	L5	(530/350)!.ccls.	14518
<input type="checkbox"/>	L4	(435/232)!.ccls.	444
<input type="checkbox"/>	L3	(435/183)!.ccls.	4559
<input type="checkbox"/>	L2	(424/94.5)!.ccls.	283
<input type="checkbox"/>	L1	(424/94.1)!.ccls.	890

END OF SEARCH HISTORY

1: Postepy Biochem. 1980;26(3):389-409.

[Glyoxalase enzyme system (author's transl)]

[Article in Polish]

Winter R, Piskorska D.

Publication Types:

Review

MeSH Terms:

- Amino Acids/analysis
- Animals
- Chickens
- Edetic Acid/pharmacology
- Enzyme Activation
- Enzyme Inhibitors
- Glutathione/pharmacology
- Guinea Pigs
- Human
- Lactoylglutathione Lyase/analysis\*
- Lactoylglutathione Lyase/antagonists & inhibitors
- Lactoylglutathione Lyase/physiology
- Lyases/analysis\*
- Metals/pharmacology
- Mice
- Molecular Weight
- Neoplasms, Experimental/enzymology
- Rats
- Sheep
- Swine
- Thiolester Hydrolases/analysis\*
- Thiolester Hydrolases/physiology

Substances:

- Amino Acids
- Enzyme Inhibitors
- Metals
- Edetic Acid
- Glutathione
- Thiolester Hydrolases
- Lyases
- Lactoylglutathione Lyase

PMID: 6782560 [PubMed - indexed for MEDLINE]